

ESTR Courses Offered in 2021-22(updated on 24 January 2022)

Department Course Code	ELITE Course Code	Course Title	Offering Format (M: Mirror;R: Real)	Course Teacher	Course Registration (Y: Approach Course Teacher for Approval; N: Apply through Faculty Office)
Term 1					
ENGG1110	ESTR1002	Problem Solving by Programming	R	Prof. Philip Fu	N
ENGG2440	ESTR2004	Discrete Mathematics for Engineers	R	Prof. Anthony So	N
ENGG2720	ESTR2014	Complex Variables for Engineers	M	Prof. Chen Benmei	N
ENGG2760	ESTR2018	Probability for Engineers	M	Prof. Xu Hong	N
BMEG4410	ESTR4203	BioMEMS	M	Prof. Aaron Ho Prof. Ngoc Duy Dinh	N
CSCI2100	ESTR2102	Data Structures	M	Prof. Tao Yufei	N
CSCI3150	ESTR3102	Introduction to Operating Systems	M	Prof. Shao Zili	N
CSCI3160	ESTR3104	Design and Analysis of Algorithms	M	Prof. Cai Leizhen	N
CSCI3230	ESTR3108	Fundamentals of Artificial Intelligence	M	Prof. Dou Qi	N
IERG2060	ESTR2304	Basic Analog and Digital Circuits	M	Dr. Marco Ho	Y
IERG3300	ESTR3304	Introduction to Stochastic Processes	M	Prof. Li Cheuk Ting	Y
IERG3310	ESTR3310	Computer Networks	M	Prof. Liew Soung Chang	Y
IERG4300	ESTR4300	Web-scale Information Analytics	M	Prof. Lau Wing Cheong	Y
MIEG2051	ESTR2360	Fourier Analysis with Engineering Applications	M	Prof. Chandra Nair	N
EEEN3010	ESTR3410	Building Automation and Control	M	Prof. Chen Chun	N
MAEG3050	ESTR3406	Introduction to Control Systems	M	Prof. Xu Yunjian	Y

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Term 2					
ENGG1310	ESTR1003	Engineering Physics: Electromagnetics, Optics and Modern Physics	R	Prof. Hu Guohua	N
ENGG1120	ESTR1005	Linear Algebra for Engineers	R	Prof. Long Zhuoyu	N
ENGG1130	ESTR1006	Multivariable Calculus for Engineers	R	Dr. Han Dongkun	N
ENGG2740	ESTR2016	Differential Equations for Engineers	M	Dr. Li Yiyang	N
ENGG2780	ESTR2020	Statistics for Engineers	M	Prof. Bogdanov	N
ENGG2030	ESTR2206	Signals and Systems	M	Miss Ngan Lai Yin	Y
BMEG3210	ESTR3212	Biofluids	M	Prof. Jonathan Choi	N
BMEG3330	ESTR3602	Neuroengineering	M	Prof. Duan Liting Dr. Lou Wutao Prof. Tong Kai Yu	N
BMEG4010	ESTR4601	Global Medical Device Regulatory Affairs	M	Prof. Tong Kai Yu	N
AIST4010	ESTR4140	Foundation of Applied Deep Learning	M	Prof. Li Yu	N
CSCI2100A	ESTR2102-	Data Structures	M	Prof. Irwin King	N
CSCI2100F	ESTR2102B	Data Structures	M	Dr. Yip Kit Sang	Y
CSCI2720	ESTR2106	Building Web Applications	M	Dr. Chau Chuck Jee	N
CSCI4160	ESTR4104	Distributed and Parallel Computing	M	Prof. Eric Lo	N
CSCI4430	ESTR4120	Data Communication and Computer	M	Prof. Xu Hong	N
ELEG3201	ESTR3200	Microelectronic Devices and Circuits	M	Prof. Pun Kong Pang	Y
ELEG4311	ESTR4216	Physics and Technology of Semiconductor Devices	M	Prof. Hu Guohua	N
FTEC2101	ESTR2520	Optimization Methods	M	Prof. Wai Hoi To	Y

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Term 2					
IERG2310	ESTR2300	Principles of Communication Systems	M	Prof. Chan Chun Kit	Y
IERG2470	ESTR2308	Probability Models and Applications	M	Prof. Yeung Wai Ho	Y
IERG3010	ESTR3300	Digital Communications	M	Prof. Lok Tat Ming	Y
IERG3280	ESTR3302	Networks: Technology, Economics, and Social Interactions	M	Prof. Zhao Changhong	Y
IERG3320	ESTR3306	Social Media and Human Information Interaction	M	Prof. Chang Yuen Yan	Y
IERG3310	ESTR3310	Computer Networks	M	Prof. Xing Guoliang	Y
IERG4330	ESTR4316	Programming Big Data Systems	M	Prof. Lau Wing Cheong	Y
MIEG2440	ESTR2362	Discrete Structures and Probability	M	Prof. Li Cheuk Ting	Y
EEEN2040	ESTR2404	Building Service Engineering and Green Building	M	Prof. Chen Chun	N
MAEG3060	ESTR3408	Introduction to Robotics	M	Prof. Darwin Lau	N
MAEG4080	ESTR4420	Introduction to Combustion	M	Prof. REN Wei	Y